

## ABSTRACT

A multi-joint drive mechanism includes a bone-member layer member in which a plurality of bone members  
5 are arranged in arrays and in a generally planar fashion,  
the plurality of bone members being movably coupled at  
coupling portions, and elastically expanding/contracting  
members which are arranged so as to stretch over the  
coupling portions on one side or both sides of the bone-  
10 member layer member and moreover which are fixed between  
the plurality of bone members, wherein the multi-joint  
drive mechanism drives flexural motions of joints between  
the plurality of adjoining bone members by expanding or  
contracting the elastically expanding/contracting member.

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